WEST Search History

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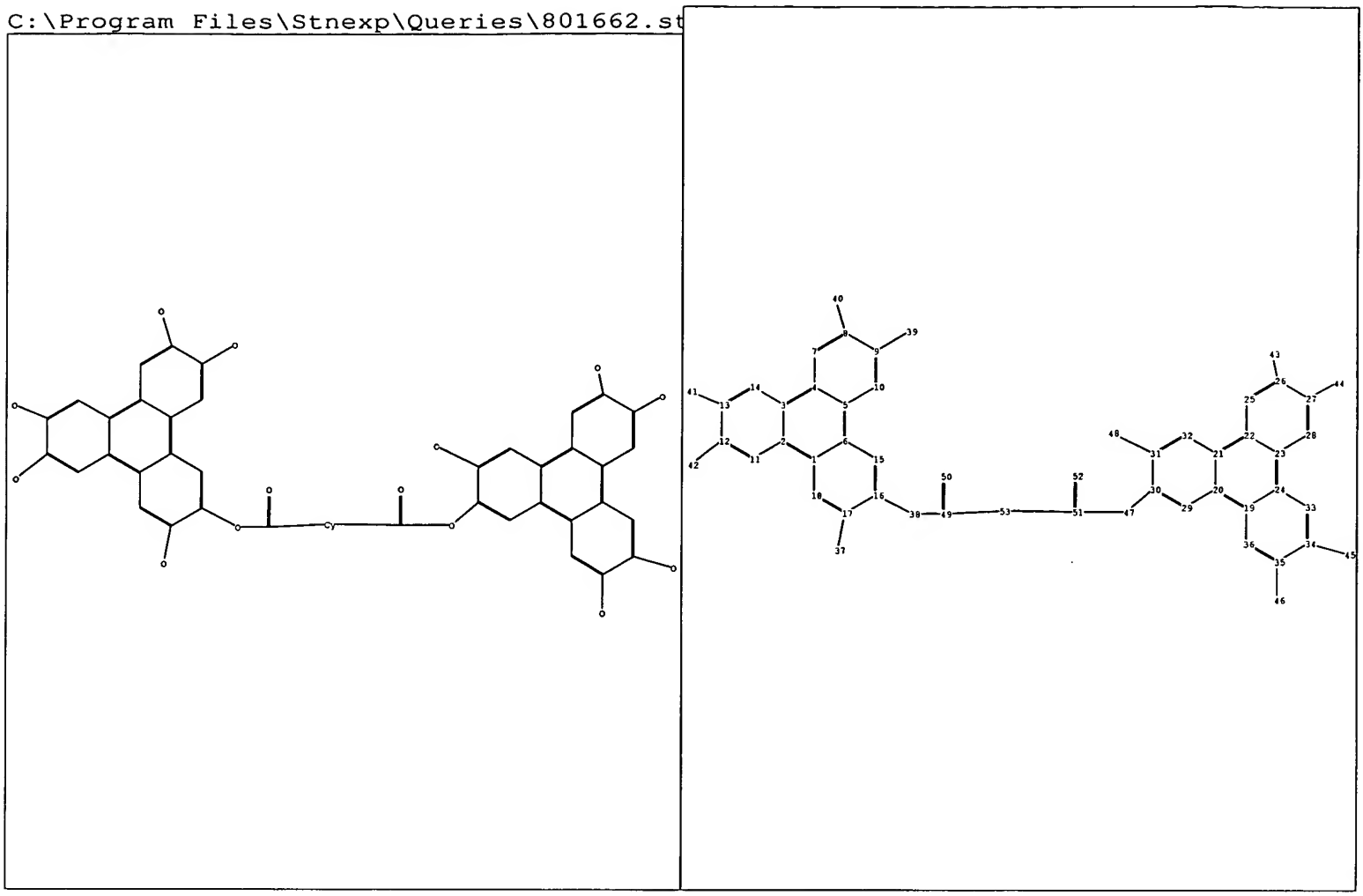
DATE: Thursday, May 04, 2006

Hide?	Set Name	Query	Hit Count
		DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=NO; OP=ADJ	
☐	L14	retardation film near2 positive	62
☐	L12	retardation film near2 negative	104
☐	L11	retardation near2 negative	298
☐	L9	positive with discotic	57
☐	L7	L6 same retardation film	33
☐	L6	(negative with discotic) or (positive with discotic)	301
☐	L5	L4 same retar$	14
☐	L4	triphenylene same discotic	166
☐	L3	(di or bis or two) near triphenylene	17

END OF SEARCH HISTORY

C:\Program Files\Stnexp\Queries\801662.st



chain nodes :
37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
22 23 24 25 26 27 28 29 30 31 32 33 34 35 36
chain bonds :
8-40 9-39 12-42 13-41 16-38 17-37 26-43 27-44 30-47 31-48 34-45
35-46 38-49 47-51 49-50 49-53 51-52 51-53
ring bonds :
1-2 1-6 1-18 2-3 2-11 3-4 3-14 4-5 4-7 5-6 5-10 6-15 7-8 8-9
9-10 11-12 12-13 13-14 15-16 16-17 17-18 19-20 19-24 19-36 20-21
20-29 21-22 21-32 22-23 22-25 23-24 23-28 24-33 25-26 26-27 27-28
29-30 30-31 31-32 33-34 34-35 35-36
exact/norm bonds :
8-40 9-39 12-42 13-41 16-38 17-37 26-43 27-44 30-47 31-48 34-45
35-46 38-49 47-51 49-50 49-53 51-52 51-53
normalized bonds :
1-2 1-6 1-18 2-3 2-11 3-4 3-14 4-5 4-7 5-6 5-10 6-15 7-8 8-9
9-10 11-12 12-13 13-14 15-16 16-17 17-18 19-20 19-24 19-36 20-21
20-29 21-22 21-32 22-23 22-25 23-24 23-28 24-33 25-26 26-27 27-28
29-30 30-31 31-32 33-34 34-35 35-36

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom
10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom
18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom
26:Atom 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom 32:Atom 33:Atom
34:Atom 35:Atom 36:Atom 37:CLASS 38:CLASS 39:CLASS 40:CLASS 41:CLASS
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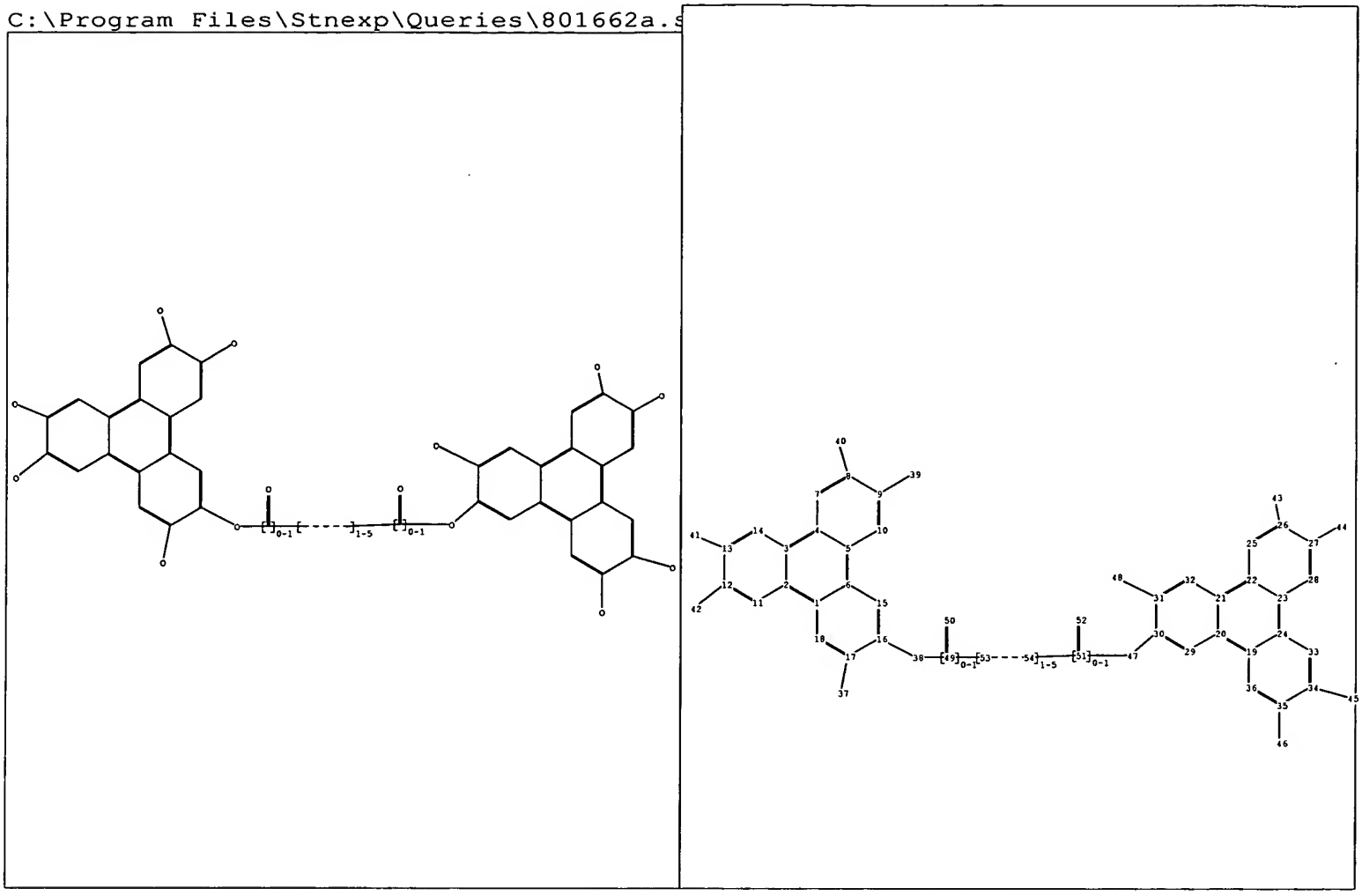

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ring nodes :
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35-46 38-49 47-51 49-50 49-53 51-52 51-54 53-54
ring bonds :
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9-10 11-12 12-13 13-14 15-16 16-17 17-18 19-20 19-24 19-36 20-21
20-29 21-22 21-32 22-23 22-25 23-24 23-28 24-33 25-26 26-27 27-28
29-30 30-31 31-32 33-34 34-35 35-36
exact/norm bonds :
8-40 9-39 12-42 13-41 16-38 17-37 26-43 27-44 30-47 31-48 34-45
35-46 38-49 47-51 49-50 51-52 53-54
exact bonds :
49-53 51-54
normalized bonds :
1-2 1-6 1-18 2-3 2-11 3-4 3-14 4-5 4-7 5-6 5-10 6-15 7-8 8-9
9-10 11-12 12-13 13-14 15-16 16-17 17-18 19-20 19-24 19-36 20-21
20-29 21-22 21-32 22-23 22-25 23-24 23-28 24-33 25-26 26-27 27-28
29-30 30-31 31-32 33-34 34-35 35-36

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom
10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom
18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom
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49:CLASS 50:CLASS 51:CLASS 52:CLASS 53:CLASS 54:CLASS

AN 1990:621888 CAPLUS
DN 113:221888
ED Entered STN: 08 Dec 1990
TI Phase behavior of discotic liquid crystalline polymers and related model compounds
AU Kranig, Wolfgang; Hueser, Bernhard; Spiess, Hans W.; Kreuder, Willi; Ringsdorf, Helmut; Zimmermann, Herbert
CS Max-Planck-Inst. Polymerforsch., Mainz, D-6500, Germany
SO Advanced Materials (Weinheim, Germany) (1990), 2(1), 36-40
CODEN: ADVMEW; ISSN: 0935-9648
DT Journal
LA English
CC 75-11 (Crystallography and Liquid Crystals)
Section cross-reference(s): 36
AB The phase behavior of main chain polymers and oligomer model compds. using alkylated triphenylenes as mesogenic cores is discussed. The compds. exhibit mesophases of the Dh type, i.e. the columns pack into a 2-dimensional hexagonal lattice. The length of the lateral alkoxy side groups and the spacer was varied to study its influence on the phase transition temps. The phase behavior was determined by optical microscopy, DSC, and NMR.
ST discotic mesophase triphenylene polymer phase behavior
IT Heat of transition
(of polymer and oligomer discotic liquid crystals)
IT Molecular dynamics
(of polymers and oligomers containing alkylated triphenylenes in glassy and liquid crystal states)
IT Glass temperature and transition
(of polymers containing alkylated triphenylenes)
IT Liquid crystals
(discotic, polymers and oligomers containing alkylated triphenylenes, preparation and phase behavior of)
IT 32829-08-6
RL: RCT (Reactant); RACT (Reactant or reagent)
(alkylation of)
IT 808-57-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(hydrolysis and acetylation of)
IT 505-54-4DP, Hexadecanedioic acid, reaction product with tetrakis(heptyloxy)triphenylenediyl diacetate 821-38-5DP, Tetradecanedioic acid, reaction product with tetrakis(pentyloxy)triphenylenediyl diacetate 69079-52-3P 69079-53-4P 88458-67-7P 97543-00-5DP, reaction product with tetradecanedioic acid 97543-00-5P 97543-04-9P 128270-08-6P 128270-09-7P 128494-95-1DP, reaction product with hexadecanedioic acid 128494-95-1P 130304-30-2P 130556-58-0P **130565-68-3P** 130565-69-4P 130565-70-7P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and liquid crystal properties of)
IT 97543-05-0P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and thermal behavior of)
IT **130565-68-3P**
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and liquid crystal properties of)
RN 130565-68-3 CAPLUS
CN Dodecanedioic acid, bis[3,6,7,10,11-pentakis(pentyloxy)-2-triphenylenyl] ester (9CI) (CA INDEX NAME)

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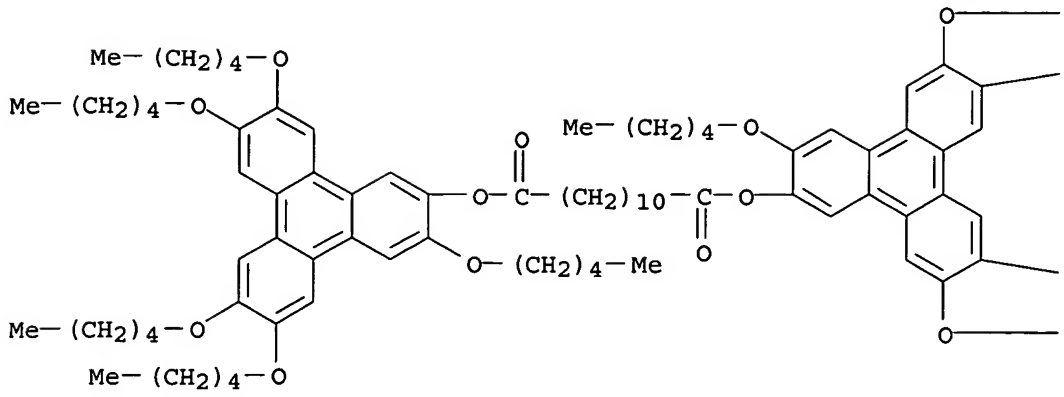

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